

## **List of Publications Related to:**

### ARCTIC OCEANOGRAPHY AND UNDERWATER ACOUSTICS

Proshutinsky, A., V. Pavlov and R. H. Bourke, Sea level rise in the Arctic Ocean, *Geophys. Res. Lett.*, 28(11), 2237-2240, 2001.

Bourke, R. H., D. Feller and J. H. Wilson, Ambient noise characteristics of the Nansen Basin, submitted to *J. Acoustic. Soc. Am.*, 2000.

Chu, P. C., Q. Wang and R. H. Bourke, A geometric model for the Beaufort/Chukchi Sea thermohaline structure, *J. Atmos. and Ocean. Tech.*, 16, 613-632, 1999.

Parsons, A. R., R. H. Bourke, R. D. Muench and others, The Barents Sea Polar Front in summer, *J. Geophys. Res.*, 101(C6), 14,201-14,221, 1996.

Bourke, R. H. and A. R. Parsons, Ambient noise characteristics of the northwestern Barents Sea, *J. Acoust. Soc. Am.*, 94(5), 2799-2808, 1993.

Bourke, R. H., R. G. Paquette, R. F. Blythe and M. D. Stone, On the deep and bottom waters of the Greenland Sea from summer 1989 and 1990 data, *J. Geophys. Res.*, 98(C3), 4629-4638, 1993.

Bourke, R. H. and A. S. McLaren, Contour mapping of Arctic Basin ice draft and roughness parameters, *J. Geophys. Res.*, 97(C11), 17,715-17,728, 1992.

Newton, J. L., R. H. Bourke and A. J. Coghan, Modeling acoustic propagation over the ice-covered Greenland continental shelf and slope, *U. S. Navy J. Underwater Acoust.*, 42 (4), 1167-1197, 1992 (secret).

McLaren, A. S., J. E. Walsh, R. H. Bourke, R. L. Weaver and W. Wittmann, Observed variability in sea ice draft over the North Pole 1977-1990, *Nature*, 358, 224-226, 1992.

Bourke, R. H., R. G. Paquette and R. F. Blythe, The Jan Mayen Current of the Greenland Sea, *J. Geophys. Res.*, 97(C5), 7241-7250, 1992.

Manley, T. O., R. H. Bourke and K. L. Hunkins, Near-surface circulation over the Yermak Plateau in northern Fram Strait, *J. Mar. Systems*, 3, 107-125, 1992.

Bourke, R. H. and R. G. Paquette, Formation of Baffin Bay bottom and deep water, in *Deep Convection and Deep Water Formation*, ed. Gascard, J.-C. and Chu, P. C., Elsevier, New York, p. 135-155, 1991.

McLaren, A. S., R. G. Barry and R. H. Bourke, Could Arctic ice be thinning?, *Nature*, 345 (6278), 762, 1990.

Bourke, R. H., D. L. Poffenberger and J. H. Wilson, Ambient noise in the Greenland Sea, U. S. Navy J. Underwater Acoust., 39(2), 169-191, 1989 (confidential).

Bourke, R. H., J. M. Curtis, R. A. Lawson and C. R. Dunlap, Undersea ambient noise in the Norwegian Sea, U. S. Navy J. Underwater Acoust., 39(1), 1-24, 1989 (secret).

Bourke, R. H. and A. M. Weigel, The baroclinic circulation of the West Spitsbergen Current, in Poleward Flows Along Eastern Ocean Boundaries, ed. S. J. Neshyba, C. N. K. Moores and R. L. Smith, Springer-Verlag, New York, p. 47-65, 1989.

Bourke, R. H. V. G. Addison and R. G. Paquette, Oceanography of Nares Strait and northern Baffin Bay in 1986 with emphasis on deep and bottom water formation. *J. Geophys. Res.*, 94(C6), 8289-8302, 1989.

Bourke, R. H. and R. G. Paquette, On estimating the thickness of sea ice, *J. Geophys. Res.*, 94(C1), 919-923, 1989.

Poffenberger, D. L., R. H. Bourke and J. H. Wilson, Ambient noise in the Eurasian Basin, U. S. Navy J. Underwater Acoust., 38(4), 433-455, 1988 (confidential).

Bourke, R. H., A. M. Weigel and R. G. Paquette, The westward turning branch of the West Spitsbergen Current, *J. Geophys. Res.*, 93(C11), 14,065-14,077, 1988.

Bourke, R. H. and R. G. Paquette, Studies of the marginal ice zone along the east Greenland coast, *Naval Res. Rev.*, XXXIX(1), 19-27, 1987.

Bourke, R. H. and R. P. Garrett, Sea ice thickness distribution in the Arctic Ocean, *Cold Regions Sci. and Tech.*, 13, 259-280, 1987.

Bourke, R. H., J. L. Newton, R. G. Paquette and M. D. Tunnicliffe, Circulation and water masses of the east Greenland shelf, *J. Geophys. Res.*, 92(C7), 6729-6740, 1987.

Bourke, R. H., M. C. Tunnicliffe, J. L. Newton, R. G. Paquette and T. O. Manley, Eddy near the Molloy Deep revisited, *J. Geophys. Res.*, 92(C7), 6773-6776, 1987.

Paquette, R. G., R. H. Bourke, J. L. Newton and W. F. Perdue, East Greenland Polar Front in Autumn, *J. Geophys. Res.*, 90(C3), 4866-4882, 1985.

Bourke, R. H., Currents, fronts and fine structure in the marginal ice zone of the Chukchi Sea, *Polar Record*, 21(135), 569-575, 1983.

Paquette, R. G. and R. H. Bourke, Ocean circulation and fronts as related to ice melt back in the Chukchi Sea, *J. Geophys. Res.*, 86(C5), 4215-4230, 1981.

Paquette, R. G. and R. H. Bourke, Temperature finestructure near the sea ice margin of the Chukchi Sea, J. Geophys. Res., 84(C3), 1155-1164, 1978.

Bourke, R. H. and R. G. Paquette, Low frequency acoustic propagation and oceanography of the Pacific marginal sea ice zone, U. S. Navy J. Underwater Acoust., 27(1), 191-209, 1977 (confidential).

Bourke, R. H. and R. G. Paquette, Atlantic Water on the Chukchi Shelf, Geophys. Res. Lett., 3(10), 629-631, 1976.

Paquette, R. G. and R. H. Bourke, Observations on the coastal current of Arctic Alaska, J. Mar. Res., 32(22), 195-207, 1974.